Matter No.: 07763 057001 Page 1 of 10 Applicant(s): Fred R. Kramer, Sanjay Tyagi, Salvatore A.E. Marras and Hiyam Elhajj Trunfio OPTICALLY DECODABLE MICROCARRIERS, ARRAYS AND METHODS

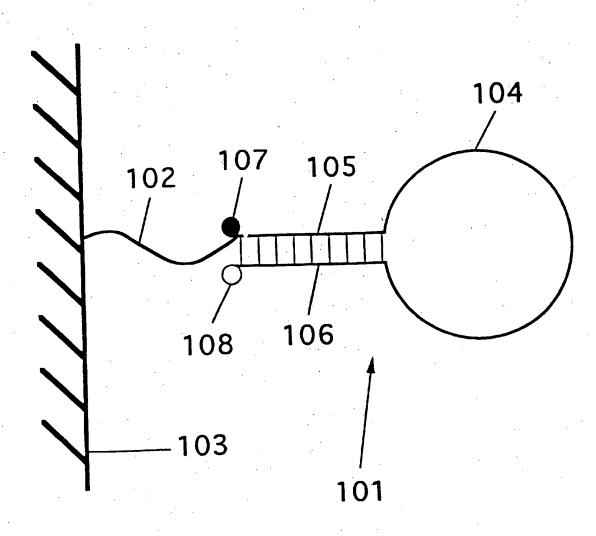


FIG. 1

Matter No.: 07703-057001 Page 2 of 10 Applicant(s): Fred R. Kramer, Sanjay Tyagi, Salvatore A.E. Marras and Hiyam Elhajj Trunfio OPTICALLY DECODABLE MICROCARRIERS, ARRAYS AND METHODS

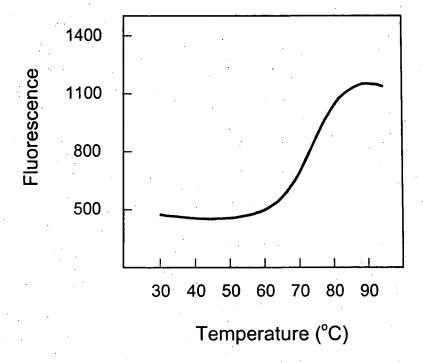


FIG. 2A

Matter No.: 07763-057001 Page 3 of 10 Applicant(s): Fred R. Kramer, Sanjay Tyagi, Salvatore A.E. Marras and Hiyam Elhajj Trunfio OPTICALLY DECODABLE MICROCARRIERS, ARRAYS AND METHODS

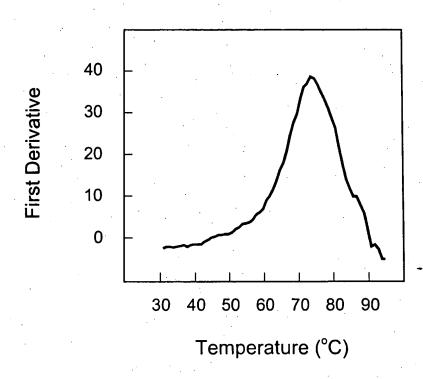
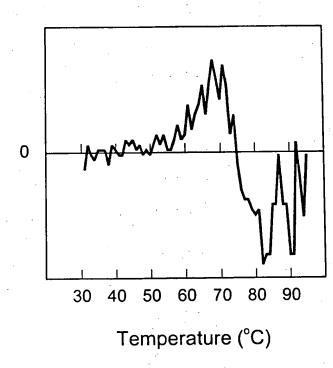


FIG. 2B

Matter No.: 07763-057001 Page 4 of 10 Applicant(s): Fred R. Kramer, Sanjay Tyagi, Salvatore A.E. Marras and Hiyam Elhajj Trunfio OPTICALLY DECODABLE MICROCARRIERS, ARRAYS AND METHODS



Second Derivative

FIG. 2C

Matter No.: 07763=057001 Page 5 of 10 Applicant(s): Fred R. Kramer, Sanjay Tyagi, Salvatore A.E. Marras and Hiyam Elhajj Trunfio OPTICALLY DECODABLE MICROCARRIERS, ARRAYS AND

METHODS	DECODABLE MICROCARRIERS, ARRAYS AN	U

Sequence	Name	Fluorophore	Quencher	Actual Tm (°C)
CGCTCT CTCTCTGAGTCT AGAGCG	TM62	FAM	dabcyl	64
CGCCG TCTGTCTGAGTCT CGGCG	TM68	FAM	dabcyl	67.5
CGACCTGG CTGTCTGACT CCAGGTCG	TM74	FAM	dabcyl	73
CGGACGCG CTGTCTGAGTC CGCGTCCG	TM80	FAM	dabcyl	80
CCCCGCCC TATGTCTGAGTC GGGCGGGG	TM86	FAM	dabcyl	82
GGTG CTGTCTGAGTCT CACC	TM47	TET	dabcyl	50
ATGGG TGTCTGAGTCT CCCAT	ТМ60	TET	dabcyl	58.5
CGCTCG GTCTGTCTGAGTCTAT CGAGCG	TM72	TET	dabcyl	68
AGGACGCG CTGTCTGAGTC CGCGTCCT	TM85	TET	dabcyl	79
CCCCGCCG CTGTCTGAGTC CGGGCGGG	ТМ90	TET	dabcyl	84.5
CGCCCGCCG CTGTCTGAGTC CGGGCGGCG	ТМ93	TET	dabcyl	88.5
ATGGG TGTCTGAGTCT CCCAT	TM60	A546	dabcyl	58
ATGGG TGTCTGAGTCT CCCAT	ТМ60.В	A546	BHQ2	66
CGACCTGG CTGTCTGACT CCAGGTCG	TM74	A546	dabcyl	74
CCCCGCCC TATGTCTGAGTC GGGCGGGG	TM86.C	A546	BHQ2	84
CCCCGCCG CTGTCTGAGTC CGGGCGGGG	ТМ90	A546	dabcyl	86
ATGGG TGTCTGAGTCT CCCAT	TM60	Texas red	dabcyl	64
CGCTCG GTCTGTCTGAGTCTAT CGAGCG	TM72	Texas red	dabcyl	75.5
AGGACGCG CTGTCTGAGTC CGCGTCCT	TM85	Texas red	dabcyl	84
CCCGCCC TATGTCTGAGTC GGGCGGGG	TM86.A	Texas red	dabcyl	87
CGCCCGCCCG CTGTCTGAGTC CGGGCGGGCG	TM93	Texas red	dabcyl	91
	 			
ATGGG TGTCTGAGTCT CCCAT	TM60	TAMRA	dabcyl	59
CGACCTGG CTGTCTGACT CCAGGTCG	TM74	TAMRA	dabcyl	75
AGGACGCG CTGTCTGAGTC CGCGTCCT	TM85	TAMRA	dabcyl	81
CGCCCGCCG CTGTCTGAGTC CGGGCGGGCG	ТМ93	TAMRA	dabcyl	91
CCCGCCCG CTGTCTGAGTC CGGGCGGGG	ТМ90	TAMRA	dabcyl	87

Matter No.: 07703-057001 Page 6 of 10 Applicant(s): Fred R. Kramer, Sanjay Tyagi, Salvatore A.E. Marras and Hiyam Elhajj Trunfio OPTICALLY DECODABLE MICROCARRIERS, ARRAYS AND METHODS

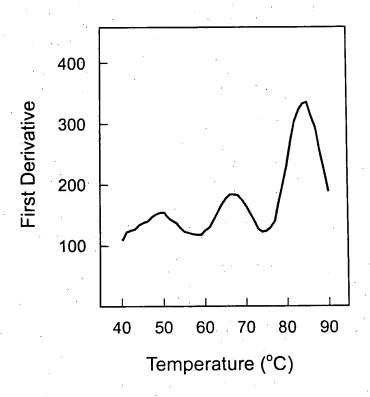


FIG. 4

Matter No.: 07763-057001 Păğe 7 of 10 Applicant(s): Fred R. Kramer, Sanjay Tyagi, Salvatore A.E. Marras and Hiyam Elhajj Trunfio OPTICALLY DECODABLE MICROCARRIERS, ARRAYS AND METHODS

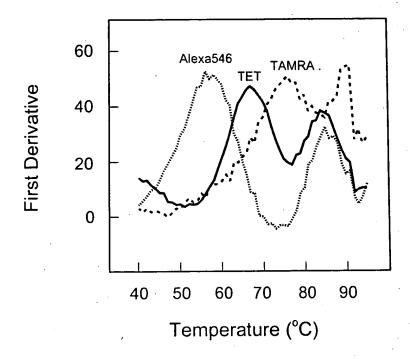


FIG. 5

Matter No.: 07763-057001 Page 8 of 10 Applicant(s): Fred R. Kramer, Sanjay Tyagi, Salvatore A.E. Marras and Hiyam Elhajj Trunfio OPTICALLY DECODABLE MICROCARRIERS, ARRAYS AND METHODS

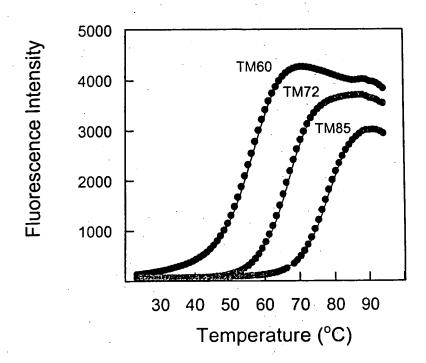


FIG. 6A

Matter No.: 07763-057001 Page 9 of 10 Applicant(s): Fred R. Kramer, Sanjay Tyagi, Salvatore A.E. Marras and Hiyam Elhajj Trunfio OPTICALLY DECODABLE MICROCARRIERS, ARRAYS AND METHODS

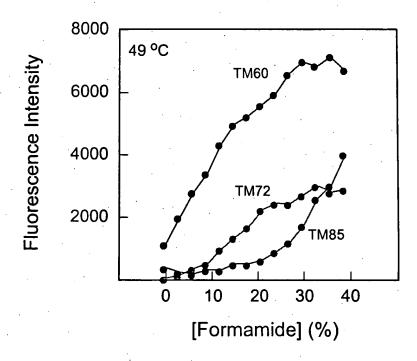
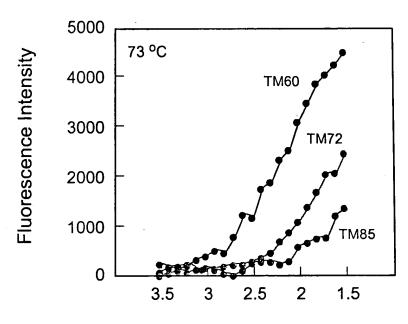


FIG. 6B

Matter No.: 07763-057001 Page 10 of 10 Applicant(s): Fred R. Kramer, Sanjay Tyagi, Salvatore A.E. Marras and Hiyam Elhajj Trunfio OPTICALLY DECODABLE MICROCARRIERS, ARRAYS AND METHODS



log [Guanidine Thiocyanate] (uM)

FIG. 6C